

Annexes

The following seven annexes provide additional information related to the material presented in the main body of this report as directed in the *UNFCCC Guidelines on Reporting and Review* (GE.03-60887). Annex 1 contains an analysis of the key categories of emissions discussed in this report and a review of the methodology used to identify those key categories. Annex 2 describes the methodologies used to estimate CO₂ emissions from fossil fuel combustion, the carbon content of fossil fuels, and the amount of carbon stored in products from non-energy uses of fossil fuels. Annex 3 discusses the methodologies used for a number of individual source categories in greater detail than was presented in the main body of the report and includes explicit activity data and emission factor tables. Annex 4 presents the IPCC reference approach for estimating CO₂ emissions from fossil fuel combustion. Annex 5 addresses the criteria for the inclusion of an emission source category and discusses some of the sources that are excluded from U.S. estimates. Annex 6 provides a range of additional information that is relevant to the contents of this report. Finally, Annex 7 provides data on the uncertainty of the emission estimates included in this report.

Annexes	1
ANNEX 1 Key Category Analysis	3
ANNEX 2 Methodology and Data for Estimating CO ₂ Emissions from Fossil Fuel Combustion.....	17
2.1. Methodology for Estimating Emissions of CO ₂ from Fossil Fuel Combustion.....	17
2.2. Methodology for Estimating the Carbon Content of Fossil Fuels	39
2.3. Methodology for Estimating Carbon Emitted from Non-Energy Uses of Fossil Fuels.....	69
ANNEX 3 Methodological Descriptions for Additional Source or Sink Categories.....	95
3.1. Methodology for Estimating Emissions of CH ₄ , N ₂ O, and Indirect Greenhouse Gases from Stationary Combustion	95
3.2. Methodology for Estimating Emissions of CH ₄ , N ₂ O, and Indirect Greenhouse Gases from Mobile Combustion and Methodology for and Supplemental Information on Transportation-Related GHG Emissions	102
3.3. Methodology for Estimating CH ₄ Emissions from Coal Mining	134
3.4. Methodology for Estimating CH ₄ Emissions from Natural Gas Systems.....	141
3.5. Methodology for Estimating CH ₄ Emissions from Petroleum Systems	145
3.6. Methodology for Estimating CO ₂ and N ₂ O Emissions from Municipal Solid Waste Combustion	148
3.7. Methodology for Estimating Emissions from International Bunker Fuels used by the U.S. Military	152
3.8. Methodology for Estimating HFC and PFC Emissions from Substitution of Ozone Depleting Substances.....	157
3.9. Methodology for Estimating CH ₄ Emissions from Enteric Fermentation	168
3.10. Methodology for Estimating CH ₄ and N ₂ O Emissions from Manure Management.....	176
3.11. Methodology for Estimating N ₂ O Emissions from Agricultural Soil Management	197
3.12. Methodology for Estimating Net Carbon Stock Changes in Forest Lands Remaining Forest Lands.....	211
3.13. Methodology for Estimating Net Changes in Carbon Stocks in Mineral and Organic Soils	220
3.14. Methodology for Estimating CH ₄ Emissions from Landfills	240
ANNEX 4 IPCC Reference Approach for Estimating CO ₂ Emissions from Fossil Fuel Combustion.....	247
ANNEX 5 Assessment of the Sources and Sinks of Greenhouse Gas Emissions Excluded	257
ANNEX 6 Additional Information.....	265
6.1. Global Warming Potential Values	265
6.2. Ozone Depleting Substance Emissions.....	272
6.3. Sulfur Dioxide Emissions	274
6.4. Complete List of Source Categories	276
6.5. Constants, Units, and Conversions.....	277
6.6. Abbreviations	280
6.7. Chemical Formulas	284
ANNEX 7 Uncertainty	287
7.1. Overview	287
7.2. Methodology and Results.....	287
7.3. Planned Improvements	292
